THE - PAT.net

from

PawTrax. co.uk

USER GUIDE

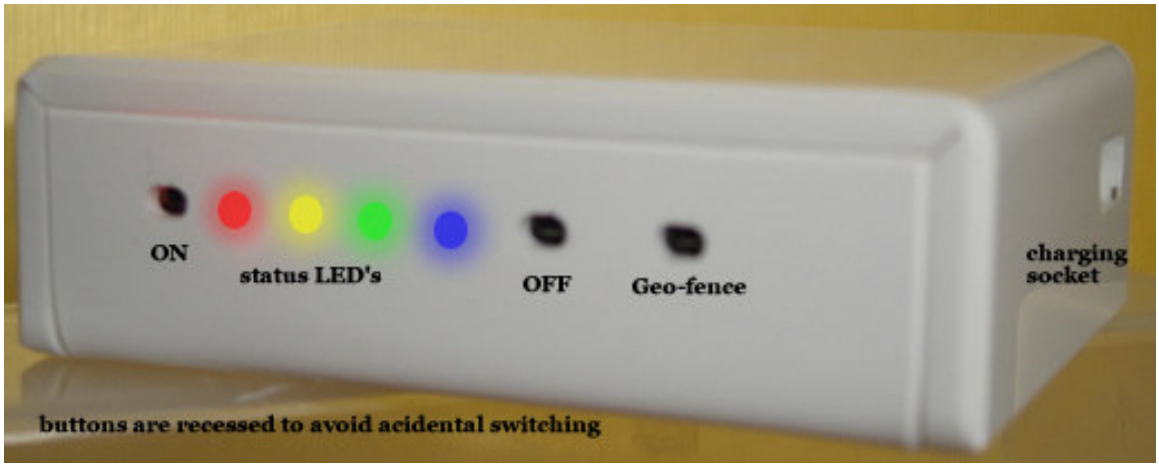
V3 19/7/09

Thank you for purchasing The-PAT.

The-PAT uses GSM/GPRS and GPS technology enabling you to FIND, TRACK and SECURE your pet 24/7/365

General

Let's have a quick look at The-PAT



What the LED's mean.

RED	Flashing Quickly	1) Unit is in Start Up Mode 2) Fixing position following a geo-fence request
	Flashing Slowly	Normal
	Permanently on	Start up failed – press off and then on
GREEN	Permanently on	No GPS fix
	Flashing	GPS Position fixed
BLUE	Flashing Quickly	Searching for GSM signal
	Flashing Slowly	GSM network found
YELLOW	On	Charging

Charging the battery

Before using The-PAT for the first time you will need to fully charge the battery. Plug the mini USB charger into the charging socket. The Yellow LED will illuminate indicating that it is being charged. The Yellow LED will turn off when The-PAT is fully charged.

To fully charge the battery may take approx. 8 hours. Subsequent charges will take 3 -4 hours.

It is better, but not essential, to power off The-PAT before and during charging.

Switching On

Carefully press the on button using the point of a pen or pencil – the Red LED will flash quickly during start up and then slowly.

Place The-PAT outside where it will be able to obtain an initial GPS fix. The Green LED will flash when it has successfully obtained a fix. This may take a few minutes.

Placing in Pouch

To ensure the very best operational performance The-PAT should be placed inside the pouch with the internal antenna facing out and away from the dog.

This is done by ensuring that the LED's//Buttons are at the bottom and the charging socket is top right.
The PAW logo on the PAT should be facing away from the dog (or skywards if used in other applications)

Setting up The-PAT

Before using The-PAT you need to tell it what mobile phone number you want to receive location requests and battery low warnings.

To do this send the following SMS

N,TIMER:number (to save 01234567890 as the TIMER number send N,TIMER:01234567890)

Functions

How to find your lost pet.

Simply send the following SMS

SMS Command	Function
W,000000	Request Location

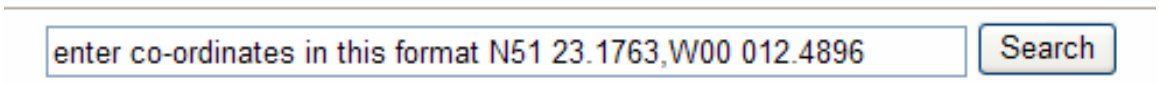
Within a few seconds The-PAT will reply with an sms with its location

The received location SMS can be sent back in 2 formats:

1) NORMAL: You receive the location by coordinates.

After receiving the coordinates, manually input them into Google Maps (www.maps.google.com) or the PawTrax website at free.pawtrax.co.uk or Google mobile maps on your web/wap enabled mobile phone.

Note: The coordinates will be received in the following format N, Lat: 5123.1763, W, Lon: 00012.4896, but when you input them you should use this format N22 33.0361, E114 04.9644 – There is a space between N51 and 23.1763 etc



2) GOOGLEMAP: You will receive the location in the form of a web link.

If you have a suitable mobile phone just click on the link and a Google map will automatically be displayed.

The mode can be configured by sending the following SMS

SMS Command	Function	
S,LF:NORMAL	Location report SMS is received in co-ordinates	
S,LF:GOOGLEMAP	Location report SMS is received as a link to Google Maps	Click on the link on your mobile to open map.

How to Track your lost pet

By sending the following sms to The-PAT you will receive an updated location SMS automatically every 2 minutes.

SMS Command	Function	
S,SON	Turn ON SMS Tracking	
S,SOFF	Turn OFF SMS Tracking	

Setting up a Geo-Fence

A geo-fence is an 'invisible – fence' around The-PAT. Should The-PAT move outside of this area an SMS alert will be received.

The radius of the geo-fence is set at 100m

The geo-fence can be switched on/off in 2 ways.

1) Using the button on The-PAT
2) By SMS command.

1) Using the Button on The-PAT.

Press the geo-fence button the Red light will start to flash quickly. This indicates that The-PAT is locking onto its present location. If The-PAT has a GPS fix at this time this will be the centre of the geo-fence. If it hasn't it will use the first fix it obtains as the centre point.

To turn off the geo-fence press the geo-fence button.

2) By SMS command

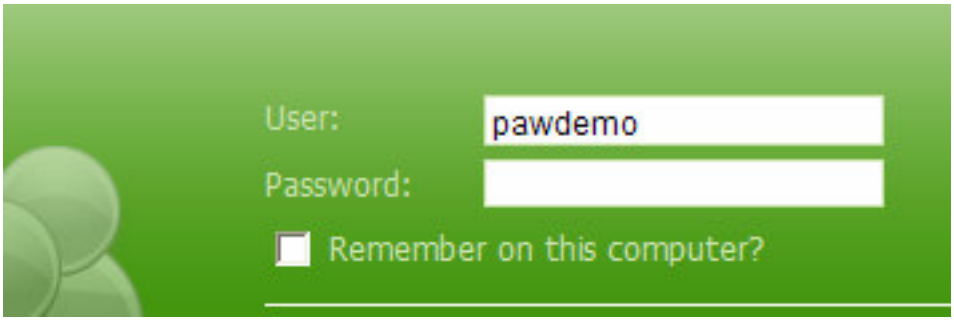
SMS Command	Function
S,GEOFENCEON	Turn on the Geo-fence
S,GEOFENCEOFF	Turn off the geo-fence

All commands must be sent in uppercase

If you have purchased the optional subscription service all the above functions plus tracking via the web and the following enhancements will be available to you.

Login to the following URL using your allocated username/password

http://locate.pawtrax.co.uk (no need to enter www)



By sending the following SMS to The-PAT its latest location and updates every 2 minutes will be shown directly on the map. (No manual input of co-ordinates required)

SMS Command	Function	
S,GPRSON	Turn ON web based tracking	
S,GPRSOFF	Turn OFF web based tracking	

Remember to turn off GPRS when you have finished tracking, as each message sent costs 1p.

Using the web based mapping platform you can set up an unlimited number of geo-fences.

You can request to be sent an email or sms should your pet move out of or into these zones.

Other Features

The-PAT will automatically send an SMS when the battery is low and requires recharging.

All commands sent to The-PAT via SMS are confirmed by The-PAT via SMS to your mobile.

SIM CARD

Every PAT has a built in mobile phone SIM card in order to communicate via the GSM network. This must be in credit in order for your PAT to function. ASDA terms and conditions apply.

How to check SIM card Credit

Call 0845 303 2732 and follow the prompts.

How to top-up your SIM card

There are a number of ways to top up your SIM card.

a) Using the supplied swipe card (this has already been partnered with your SIM). This can be used at any ASDA and shops that display the top-up symbol

b) Obtaining a top up voucher from any ASDA and calling 0845 303 2732

Water Resistance

The-PAT is water resistant. The-PAT will continue to function when subjected to splashes of water, when placed inside the pouch.

It is not water proof and will not function if immersed in water. DO NOT allow your dog to swim while wearing it.

We can offer advice and suggestions on how to waterproof The-PAT.

Warranty Limitations

PawTrax warrants that The-PAT shall be free from defects for a period of 12 months. We cannot accept any liability under the 12 month warranty if The-PAT is modified, opened or tampered with by you or any third party. Misused or damaged in an accident, as a result of unreasonable use or as a result of your negligence.

Declaration of Compliance

PawTrax declares that The-PAT is in compliance with all the necessary CE requirements and is also RoHS compliant.

Technical Specification

GSM/GPRS Module (GSM900/1800/1900)	Simcom 300 Tri Band GSM Module
GPS Module	SIRF III 20 Channels
Accuracy	1 – 5m
Start Time	Cold – 42s, Warm 35s, Hot 1s
Operating Voltage	3.3V
Charge Voltage	4.5 – 5V
Standby	15mA
Operating	80mA
Battery	Rechargeable Lithium Poly
Time between charges configuration)	14 hours – 36 hours (depending on
Size	60mm x 44mm x 18mm
Battery Life	dependant on configuration (approx 14 hours if set to collect, but not send, position all the time – approx 36 hours in GPS OFF, approx 7 hours if sending GPS position every 60 seconds)

Notes and Cautions

- For best results always make sure that The-PAT is placed in the pouch with the buttons/leds at the bottom and the mini usb top right with the Velcro tab towards the dog
- Do not open The-PAT
- Do not let your pet chew The-PAT
- Don't let The-PAT operate in temperatures above 50 degrees.
- Performance maybe limited depending on GSM and GPS signal
- May not always work indoors.
- Complies with CE/RoHS/WEEE requirements
- Should the device stop operating at anytime press the off button and then press start button
- The-PAT uses the Vodafone network, for coverage maps please visit the Vodafone website
- Keep checking the website www.the-pat.net for updates to this guide
- We reserve the right to change the specification/functions at anytime without prior notice

E & O E